

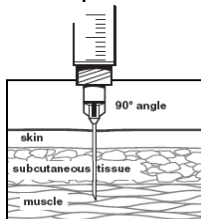
Administering Influenza Vaccines

(Intramuscular, Intranasal and Intradermal)

Intramuscular Injection

Inactivated Influenza Vaccines
(IIV3, aIIV3, IIV3-HD, RIV3, IIV4, cclIV4)

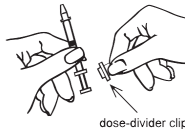
1. A needle long enough to reach deep into the muscle should be used. For infants ≥ 6 months and children, use a 1" needle. For adolescents and adults, a 1-1½" needle should be used.¹
2. Choose the appropriate site. With your left hand², spread the skin taut between the thumb and forefinger, isolating the muscle.
3. With your right hand², insert the needle at a 90° angle to the skin with a quick thrust.
4. Push down on the plunger and inject the entire contents of the syringe. There is no need to aspirate.
5. Withdraw the needle and apply light pressure to the injection site for several seconds with a gauze pad.
6. If there is any bleeding, cover the injection site with a bandage.
7. Put used syringe in a sharps container.



Intranasal Administration

Live Attenuated Influenza Vaccine (LAIV4)³

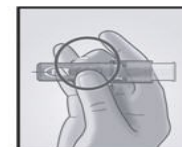
1. FluMist® (LAIV) is for intranasal administration only. Do not use it FluMist®.
2. Remove the rubber tip protector. Do not remove the dose divider clip at the other end of the sprayer.
3. With the patient in an upright position, place the tip just inside the nostril to ensure LAIV is delivered into the nose. The patient should breathe normally.
4. With a single motion, depress the plunger as rapidly as possible until the dose divider clip prevents you from going further.
5. Pinch and remove the dose-divider clip from the plunger.
6. Place the tip just inside the other nostril and with a single motion, depress the plunger as rapidly as possible to deliver the remaining vaccine.
7. Put applicator in a sharps container.



Intradermal Administration

Inactivated Influenza Vaccine Intradermal (IIV4-ID)⁴

1. Gently shake the IIV4-ID applicator before administering the vaccine. Some experts suggest having the patient sit with arm bent at the elbow, hand resting on hip.
2. Hold the system by placing the thumb and middle finger on the finger pads; the index finger should remain free.
3. Insert the needle perpendicular to the skin, in the region of the deltoid, in a short, quick movement.
4. Once the needle has been inserted, maintain light pressure on the surface of the skin and inject using the index finger to push on the plunger. Do not aspirate.
5. Remove the needle from the skin. With the needle directed away from you and others, push very firmly with the thumb on the plunger to activate the needle shield. You will hear a click when the shield extends to cover the needle.
6. Put applicator in a sharps container.



¹Assessment of needle size & site of injection must be made for each person based on size of the muscle, thickness of adipose tissue at the injection site, volume of material to be administered, and injection technique. For further information, see Epidemiology and Prevention of Vaccine-Preventable Diseases, 13th edition, Chapter 6 at: <http://www.cdc.gov/vaccines/pubs/pinkbook/index.html>.

²Use the opposite hand if you are left-handed.

³LAIV (FluMist®) is not recommended by the Advisory Committee on Immunization Practices (ACIP) for use during the 2016-17 influenza season in the U.S., refer to the package insert at: <http://www.immunize.org/packageinserts/>.

⁴Do not place IIV4-ID in any other syringe. The vaccine must be administered into the dermal (dermis) layer of the skin.

Children needing 2 doses of flu vaccine should receive the age-appropriate vaccine & dosage each time. Refer to: "Who Needs 2 Doses of 2016-17 Seasonal Flu Vaccine" at www.michigan.gov/flu